

MARKED UP VERSION OF AMENDED CLAIMS - OZ 53037

3. Process as claimed in claim 1 [any of claims 1 or 2], wherein an electrically neutral nickel complex compound is used as the complex compound of the general formula I a and/or I b.
4. Process as claimed in claim 2 [any of claims 2 or 3], wherein the activator a2) is an olefin complex of rhodium or nickel.
5. Process as claimed in claim 1 [any of claims 1 to 4], wherein ethylene is used exclusively as olefin.
6. Process as claimed in claim 1 [any of claims 1 to 4], wherein at least two olifins selected from the group comprising ethylene, propylene, 1-butene, 1-hexene and styrene are used.
8. Process as claimed in claim 1 [any of claims 1 to 7], where anionic, cationic and/or nonionic emulsifiers are employed as the dispersing agents b).
9. Process as claimed in claim 1 [any of claims 1 to 8], wherein aliphatic and aromatic hydrocarbons, fatty alcohols and/or fatty acid esters are used as the organic solvents c).
10. Process as claimed in claim 1 [any of claims 1 to 9], wherein the portion or the total quantity of the olefinically unsaturated compounds and/or of the organic solvents c) having low solubility in water which contains the metal complexes a1) in solution and which is present in the aqueous medium as a disperse phase having an average droplet diameter $\leq 1,000$ nm contains further components.
11. Aqueous polymer dispersion prepared by a process as claimed in claim 1 [any of claims 1 to 10].